The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

What is claimed is:

Claim 1. (original): A method of analyzing healthcare patient data, the method comprising:

providing a database including patient data of data sets, each data set being for a

different patient and having a unique patient identifier, the patient data being

located in tables of categories including at least two of diagnosis, treatment,

and outcome, wherein the patient data within the categories are stored as

selected data options and the patient data of a data set relate by the patient

identifier;

receiving at least one criterion for patient data located in at least one category;

determining patient data results for all data sets in a group common to the criterion;

and

presenting the patient data results.

Claim 2. (original): The method of claim 1, wherein at least some of the patient data include symbolic codes to represent descriptors, wherein each symbolic code represents a descriptor in more than one language.

Claim 3. (original): The method of claim 1, wherein the diagnosis category includes at least one of anatomy, pathology and clinical presentation category.

Claim 4. (original): The method of claim 1, wherein the treatment category includes at least one of operation, procedure and diagnostic study category.

Claim 5. (original): The method of claim 1, wherein the outcomes category includes at least one of clinic visit outcomes score, admissions outcomes score, discharge outcomes score, complication, disability and cause of death factor category.

Claim 6. (original): The method of claim 1, further comprising retrieving multimedia data related to the patient data results by the identifier.

Claim 7. (original): The method of claim 1, further comprising creating a report for at least two of audit, mortality and morbidity, reporting, discharge list, and accreditation case log.

Claim 8. (original): The method of claim 1, wherein the patient data results are related to at least two tasks of a group of tasks consisting of patient management, clinical outcomes tracking, healthcare research, training of healthcare professionals, fulfilling certification or accreditation requirements, clinical trials, quality improvement assessment, informed consent tracking, risk mitigation assessment, access to multimedia files linked to treatment events, data collection for export to other database systems, and billing.

Claim 9. (original): The method of claim 8, wherein the patient data results is related to at least three of the tasks.

Claim 10. (original): The method of claim 8, further including transferring the patient data results to a form for patient management, clinical outcomes tracking, fulfilling certification or accreditation requirements, clinical trials, quality improvement assessment, informed consent tracking, risk mitigation assessment, and billing.

Claim 11. (original): The method of claim 1, wherein the patient data results include at least one level of a category hierarchical tree having data options arranged in increasing levels of specificity.

Claim 12. (original): The method of claim 11, wherein the patient data results include patient data common to the received criterion and criterion from lower levels of the hierarchical tree.

Claim 13. (original): A method implemented in a computer system for organizing healthcare patient data in a database, comprising:

receiving selected patient data from data options in at least one category including diagnosis, treatment and outcome;

storing in the database, the patient data with a unique patient identifier to relate the patient data within a data set, each data set being for a different patient; and

storing a linking event identifier for linking event data to link at least some of the patient data related to a patient management cycle.

Claim 14. (original): The method of claim 13, wherein the linking event data is diagnosis category data and the linked data are in the treatment category and the outcome category.

Claim 15. (original): The method of claim 14, wherein the linked data include outcome score in the outcome category.

Claim 16. (original): The method of claim 14, wherein the linked data include admission score and discharge score.

Claim 17. (original): The method of claim 13, wherein the patient data is related to at least two of tasks including patient management, clinical outcomes tracking, healthcare research, training of healthcare professionals, fulfilling certification or accreditation requirements, clinical trials, quality improvement assessment, informed consent tracking, risk mitigation assessment, access to multimedia files linked to treatment events, data collection for export to other database systems, and billing.

Claim 18. (original): The method of claim 17, wherein the patient data is related to at least three of the tasks.

Claim 19. (original): The method of claim 13, further comprising storing symbolic codes to represent descriptors, wherein each symbolic code represents a descriptor in more than one language.

Claim 20. (original): The method of claim 19, wherein at least one of the symbolic codes are created by a user storing the patient data.

Claim 21. (original): The method of claim 13, wherein the patient data is stored for more than one provider.

Claim 22. (original): A computer readable medium having stored therein a plurality of sequences of executable instructions, which, when executed by a processor, cause a healthcare data analysis system to:

receive selected patient data from data options in at least one category including

diagnosis, treatment and outcome;

store the patient data with a unique patient identifier to relate the patient data within a

data set, each data set being for a different patient,

store a linking event identifier for corresponding linking event data to link at least

some of the patient data related to a patient management cycle.

Claim 23. (original): The computer readable medium of claim 22, wherein the linking event data is diagnosis category data and the linked patient data are in the treatment category and the outcome category.

Claim 24. (original): The computer readable medium of claim 23, wherein the linked patient data include outcome score in the outcome category.

Claim 25. (original): The computer readable medium of claim 23, wherein the linked patient data include admission score and discharge score.

Claim 26. (original): The computer readable medium of claim 22, wherein the categories further include at least two of past history, clinical presentation, anatomy, pathology, diagnostic study, clinic visit outcomes score, admission outcome score, discharge outcome score, complication, disability and cause of death.

Claim 27. (original): The computer readable medium of claim 22, further including symbolic codes for at least some of the patient data related to at least two categories including diagnostic, clinical presentation, anatomy, pathology, and outcome.

Claim 28. (original): The computer readable medium of claim 22, further including additional sequences of executable instructions, which, when executed by the processor further cause the system to perform at least two tasks of a group of tasks consisting of patient management, clinical outcomes tracking, healthcare research, training of healthcare professionals, fulfilling certification or accreditation requirements, clinical trials, quality improvement assessment, informed consent tracking, risk mitigation assessment, providing access to multimedia files linked to treatment events, export of collected data to other database systems, and billing.

Claim 29. (original): The computer readable medium of claim 28, wherein at least three of the tasks are performed.

Claim 30. (original): A healthcare data analysis system for patient data analysis comprising: a processor; an input device in communication with the processor for receiving patient data; a storage unit in communication with the processor having a relational database for:

(i) storing data options within data option tables by increasing levels of specificity in a hierarchical tree, the data option tables being for diagnosis, treatment or outcome, and

(ii) storing patient data of data sets within category tables, each data set being for a different patient and having a unique patient identifier, the patient data being selected from the data options in at least one data option table,

the processor comprising a means for receiving patient data from the input, storing the patient data in the storage unit and linking patient data of a data set from the categories for a patient management cycle.

Claim 31. (original): The system of claim 30, further including at least one user interface to allow a user to selectively view data options to be selected by the user and entered through the input device as patient data.

Claim 32. (original): The system of claim 31, wherein the at least one user interface is to further permit a user to view selected patient data for all data sets in a group matching a criterion.

Claim 33. (original): The system of claim 31, wherein separate user interfaces are provided for patient data related to demographics, past histories, diagnosis, clinic visits, admissions, and treatment procedures.

Claim 34. (original): The system of claim 33, wherein the user interface screens for clinic visits, admissions and treatment procedures include linking event fields related to a diagnosis linking event data of a patient management cycle.

Claim 35. (original): The system of claim 32, wherein at least one data option is related to custom prospective data in a custom screen table.

Claim 36. (original): A healthcare data analysis system comprising:

a database having patient data of data sets, each data set being for a different

patient and having a unique patient identifier stored within category tables, the

patient data being chosen from data options in at least one data option table

being for diagnosis, treatment and outcome, and

at least one user interface to allow a user to selectively view data options to be

selected by the user and entered through the input device as patient data.

Claim 37. (original): The system of claim 36, wherein the at least one user interface is to further permit a user to view retrieved patient data for all data sets in a group matching a criterion.

Claim 38. (original): The system of claim 36, wherein separate user interfaces are provided for patient data related to demographics, past histories, diagnosis, clinic visits, admissions, and treatment procedures.

Claim 39. (original): The system of claim 36, wherein at least one of the user interface is created by the user and linked to a data option of another user interface.